

CLAIMS

Sub A²
1. A method of eliciting or enhancing an immune response to a human self tumor antigen, comprising immunizing a human being with a foreign protein homologous to said antigen or with a foreign peptide homologous to a portion of said antigen.

2. The method of claim 1 wherein said antigen is a protein expression product of an overexpressed human oncogene.

3. The method of claim 2 wherein said antigen is human HER-2/*neu* protein.

4. The method of claim 1 wherein said portion of said antigen is a portion of a protein expression product of an overexpressed human oncogene.

5. The method of claim 4 wherein said portion is a portion of human HER-2/*neu* protein.

6. The method of claim 5 wherein said portion includes the intracellular domain of human HER-2/*neu* protein.

7. The method of claim 1 wherein said antigen or said antigen portion is an organ-specific or tissue-specific differentiation antigen associated with tumor cells or a portion of the antigen.

Sub A³
8. The method of claim 7 wherein said antigen or said antigen portion is an antigen associated with prostate cancer or a portion of the antigen.

9. The method of claim 8 wherein said antigen is PAP.

12. The method of any one of claims 1-10 wherein an adjuvant is additionally used.